Inventor(s):

Jingjun Cao et al.

Title:

SYSTEM AND METHOD FOR HYPER OPERATOR CONTROLLED NETWORK PROBING ACROSS OVERLAID HETEROGENEOUS ACCESS NETWORKS

## POWER OF ATTORNEY

	The specification of the above-identified patent application:							
	is attached hereto was filed on as application Serial No							
	<del></del>							
	I hereby revoke all previously granted powers of attorney in the above-identified patent application and appoint the following to prosecute said patent application and to transact all business in the Patent and Trademark Office connected therewith:  Gustavo Siller, Jr. 32,305  Tadashi Horie 40,437  Vincent J. Gnoffo 44,714							
	Please address all correspondence and relephone calls to Vincent J. Gnoffo in care of							
	Brinks Hofer Gilson & Lione P.O. Box 10395 Chicago, IL 60610 (312)321-4200							
Tadashi Horie 40,437 Vincent J. Gnoffo 44,714  Please address all correspondence and telephone calls to Vincent J. Gnoffo in care of  Brinks Hofer Gilson & Lione P.O. Box 10395 Chicago, IL 60610 (312)321-4200  The undersigned hereby authorizes the U.S. attorneys named herein to accept and follow instructions from Nobuvuki Akimoto as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorneys named herein will be so notified by the undersigned.  DoCoMo Communications Laboratories USA, Inc., a Delaware corporation, certifies that it is the assignee of the entire right, title and interest in the patent application identified above, a copy of which is attached hereto.  OR  An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel, frame  OR  A chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below:								
title and	<u>DoCoMo Communications Laboratories USA, Inc.</u> , a <u>Delaware corporation</u> , certifies that it is the assignee of the entire right, interest in the patent application identified above by virtue of either:							
	An assignment from the inventor(s) of the patent application identified above, a copy of which is attached hereto.  OR							
An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel, frame  OR								
	A chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below:							
	1. From To: The document was recorded in the Patent and Trademark Office at  Reel, frame, or a copy thereof is attached.							
	2. From To: The document was recorded in the Patent and Trademark Office at Reel, frame, or a copy thereof is attached.							
	Additional documents in the chain of title are listed on a supplemental sheet.							
The undersigned has reviewed the assignment or all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.								
	The undersigned (whose title is supplied below) is empowered to act on behalf of the assignce.							
like so	I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information of are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such alse statements may jeopardize the validity of the application or any patent issuing thereon.							
Signatu Name:	Nobuyuki Akimoto							
Title: Rev. Doc9 Document	Vice President and COO							

## **DECLARATION FOR PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled SYSTEM AND MEHTOD FOR HYPER OPERATOR CONTROLLED NETWORK PROBING ACROSS OVERLAID HETEROGENEOUS ACCESS NETWORKS, the specification of which:

$\bowtie$	is attached hereto.							
	was filed on as Ap	plication Serial No						
	and was amended on	(if applicable).						
	nat I have reviewed and un amendment referred to abo	nderstand the contents of the above-identity.	fied specification, i	ncluding the cla	aims, as			
I acknowledge a Regulations, § 1		nation which is material to the patentabili	ty as defined in Tit	le 37, Code of	Federal			
inventor's certifulunited States, li	icate or § 365(a) of any P sted below and have also is	nder 35 U.S.C. § 119(a)-(d) or § 365(b) of CT International application which design dentified below, by checking the box, any a having a filing date before that of the app	gnated at least one foreign application	country other t	than the			
Prior Foreign A	oplication(s)			Priority Clai	med			
Annual Control of the								
(Number)	(Country)	(Day/Month/Year Fi	led)	Yes	No			
I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:								
STREET ON THE STREET OF THE ST								
(Applic	ation Serial No.)	(Filing Date)						
I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:								
(Applic	ation Serial No.)	(Filing Date)	(Status-patented,	, pending, abanc	ioned)			
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.								
Inventor's Signa		( Diagre	Date:	2/21/20	ю2			
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Case No. <u>10745/46</u> Client Ref. No. <u>PA-048</u>

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Inventor's Signature		Date:			
Full name of fourth joint inventor		· · · · · · · · · · · · · · · · · · ·	- 1		
Residence					
Citizenship					
Post Office Address					
And Williams					
Inventor's Signature		Date:			
Full name of fifth joint inventor					
Residence					
Citizenship					
Post Office Address		*			
Inventor's Signature		Date:			
Full name of sixth joint inventor					
Residence					
Citizenship					
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Inventor's Signature		Date:			
Full name of seventh joint inventor					
Residence					
Citizenship					
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